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30333 7590 12/02/2003

FRANCIS J. CAUFIELD  
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|                            |                    |
|----------------------------|--------------------|
| Francis J. Caufield        | (Depositor's name) |
| <i>Francis J. Caufield</i> | (Signature)        |
| January 21, 2004           | (D)                |

|                 |             |                      |                     |                  |
|-----------------|-------------|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 09/853,114      | 05/10/2001  | Henry Allen Hill     | 0219/US             | 5210             |

TITLE OF INVENTION: APPARATUS AND METHOD FOR MEASURING MIRRORS IN SITU

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO           | \$1330    | \$300           | \$1630           | 03/02/2004 |

| EXAMINER          | ART UNIT | CLASS-SUBCLASS |
|-------------------|----------|----------------|
| ALLEN, STEPHONE B | 2878     | 356-500000     |

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1 Francis J. Caufield  
2 \_\_\_\_\_  
3 \_\_\_\_\_

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(B) RESIDENCE: (CITY and STATE OR COUNTRY)

ZYGO CORPORATION

MIDDLEFIELD, CT

Please check the appropriate assignee category or categories (will not be printed on the patent);  individual  corporation or other private group entity  government

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Issue Fee  
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 The Director is hereby authorized to charge the required fee(s), or credit any overpayment  
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Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) Francis J. Caufield (Date) 1/21/2004

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01/29/2004 SSITHB2 00000002 09853114

01 FC:1501  
02 FC:1504

1330.00 OP  
300.00 OP

TRANSMITTAL OF PAYMENT OF ISSUE FEE (Large Entity)  
(37 C.F.R. 1.311)

Docket No.  
0219/US

Applicant(s):

HENRY ALLEN HILL

| Serial No. | Filing Date | Examiner          | Group Art Unit | Confirmation No. |
|------------|-------------|-------------------|----------------|------------------|
| 09/853,114 | 5/10/2001   | Stephone B. Allen | 2878           | 5210             |

Invention:

IN-SITU MIRROR CHARACTERIZATION



**Mail Stop Issue Fee**  
**TO THE COMMISSIONER FOR PATENTS**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Transmitted herewith are the following for the above-identified application.

Issue Fee Transmittal Form PTOL-85

Utility Fee: \$ 1330.00  Design Fee: \_\_\_\_\_  Plant Fee: \_\_\_\_\_

Publication Fee: \$ 300.00

A check in the amount of \$1,630.00 is attached.

The Director is hereby authorized to charge and credit Deposit Account No. **03-1150** as described below.

Charge the amount of  
 Credit any overpayment.  
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*Francis J. Caufield*  
 Signature

Dated: January 21, 2004

Francis J. Caufield  
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*Francis J. Caufield*

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